

Pure end-to-end error recovery fails as a general solution to optimize the wireless links form parts of the end-to-end path. It can lead to decrease throughput, an unfair load on best-effort networks, and a waste of valu

Keywords: TCP, flow differentiation, link ARQ persistency, wireless

4 [Performance of a new Bluetooth scatternet formation protocol](#)



Ching Law, Amar K. Mehta, Kai-Yeung Siu

October 2001 **MobiHoc '01**: Proceedings of the 2nd ACM international symposium on mobile computing and communications, New York, New York, USA, October 1-5, 2001
ad hoc networking & computing

Publisher: ACM

Full text available: Pdf (1.50 MB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 55, Citation (

A Bluetooth ad hoc network can be formed by interconnecting piconets. The constraints and properties of Bluetooth scatternets present special challenges in forming an ad hoc network efficiently. In this paper, we evaluate the pe

Keywords: Bluetooth, ad hoc networks, resource discovery, topology c

5 [Optimal channel assignment strategies for forced channel hopping in](#)

Chris Jedrzycki, Victor C. M. Leung

March 2000 **Mobile Networks and Applications**, Volume 5 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: Pdf (162.99 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 8, Citation C

To provide an acceptable call blocking probability in circuit-switched cell such as the Advanced Mobile Phone System (AMPS) networks, a significant channel capacity in each cell is normally unused. This "free" ...

6 [Adaptive rate controlled, robust video communication over packet wi](#)

G. R. Rajugopal, R. H. M. Hafez

June 1998 **Mobile Networks and Applications**, Volume 3 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: Pdf (977.91 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 36, Citation (

Video transmission over wireless packet networks is gaining importance as a concept of universal personal communication. Further, it is considered a challenge towards wireless multimedia. The challenge however is to achieve good

7 [Admission-control policies for multihop wireless networks](#)

Craig M. Barnhart, Jeffrey E. Wieselthier, Anthony Ephremidis

December 1995 **Wireless Networks**, Volume 1 Issue 4

Publisher: Kluwer Academic Publishers

Full text available: Pdf (1.40 MB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 18, Citation (

In this paper, we investigate the admission-control problem for voice traffic in circuit-switched wireless networks. We consider coordinate-convex admission policies and a "blocked-calls-cleared" mode of operation, in ...

8 [The wireless Net](#)



[Dennis Fowler](#)

August 1997 **netWorker** , Volume 1 Issue 2

Publisher: ACM

Full text available: Pdf (566.06 KB) Additional Information: [full citation](#), [references](#), [citeX](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 46, Citation (

9 [Ad Hoc mobility management with uniform quorum systems](#)

[Zygmunt J. Haas](#), [Ben Liang](#)

April 1999 **IEEE/ ACM Transactions on Networking (TON)** , Volume 7 Issue

Publisher: IEEE Press

Full text available: Pdf (258.18 KB) Additional Information: [full citation](#), [references](#), [citeX](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 53, Citation (

Keywords: Ad hoc network, balanced incomplete block design, data distribution, mobility management, quorum system, reconfigurable wireless network system

10 [Editorial](#)

[A. K. Salkintzis](#), [C. Chamzas](#), [P. T. Mathiopoulos](#)

March 2000 **Mobile Networks and Applications** , Volume 5 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: Pdf (35.37 KB) Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 3, Citation C

11 [Power control based QoS provisioning for multimedia in W-CDMA](#)

[Özgür Gürbüz](#), [Henry Owen](#)

January 2002 **Wireless Networks** , Volume 8 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: Pdf (247.47 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 56, Citation

Third generation wireless communication systems will support multimedia services. W-CDMA will be the common air interface technology. Due to the interference limited nature of W-CDMA, power is the main resource of the network, and power control is

Keywords: WCDMA, power control, wireless QoS

12 [Energy-aware routing in MANETs: analysis and enhancements](#)




[Ahmed Safwat](#), [Hossam Hassanein](#), [Hussein Mouftah](#)

September 2002 **MSWiM '02: Proceedings of the 5th ACM international workshop on Modeling analysis and simulation of wireless and mobile systems**

Publisher: ACM

Full text available: Additional Information: [full citation](#), [abstract](#), [referer](#)

 Pdf (207.35 KB)

[terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 66, Citation

Wireless mobile ad hoc stations have limited battery capacity. Hence, protocols ought to be energy conservative. However, The simulation studies for table-driven and on-demand ad hoc routing protocols fall short of ex


Keywords: IEEE 802.11, MAC, PLCP, energy conservation, wireless ad

13 [The BLUE active queue management algorithms](#)

[Wu-chang Feng](#), [Kang G. Shin](#), [Dilip D. Kandlur](#), [Debanjan Saha](#)

August 2002 **IEEE/ ACM Transactions on Networking (TON)** , Volume 10 I

Publisher: IEEE Press

Full text available:  Pdf (729.74 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 79, Citation

In order to stem the increasing packet loss rates caused by an exponential network traffic, the ietf has been considering the deployment of active congestion management techniques such as Red [14]. While active queue management


Keywords: congestion control, fair queue, networks, queue management

14 [Using channel state dependent packet scheduling to improve TCP throughput in wireless LANs](#)

[Pravin Bhagwat](#), [Partha Bhattacharya](#), [Arvind Krishna](#), [Satish K. Tripathi](#)

March 1997 **Wireless Networks** , Volume 3 Issue 1

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (541.97 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 43, Citation (


In recent years, a variety of mobile computers equipped with wireless communication devices have become popular. These computers use applications and protocols developed for wired desktop hosts, to communicate over wireless channels

15 [Issues in satellite personal communication systems](#)

[Erich Lutz](#)

February 1998 **Wireless Networks** , Volume 4 Issue 2

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (742.57 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 147, Citation

In the paper various issues in personal satellite communications are addressed. geostationary and non-geostationary satellite constellations are considered. narrowband and wideband characterization of the mobile satellite channels


16

[Defending wireless infrastructure against the challenge of DDoS attacks](#)

[Xianjun Geng](#), [Yun Huang](#), [Andrew B. Whinston](#)

June 2002 **Mobile Networks and Applications**, Volume 7 Issue 3

Publisher: Kluwer Academic Publishers


Full text available:  [Pdf](#) (313.57 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 145, Citation (6 Weeks): 0, Citation (12 Months): 0

This paper addresses possible Distributed Denial-of-Service (DDoS) attacks on the wireless Internet including the Wireless Extended Internet, the Wireless Mesh Network, and the Wireless Ad Hoc network. We propose a conceptual model for distributed denial of service attacks on the wireless Internet.


Keywords: DDoS attack, PBN, wireless ad hoc network, wireless extension, wireless infrastructure, wireless portal network

17 [Directional virtual carrier sensing for directional antennas in mobile ad hoc networks](#)

 [Mineo Takai](#), [Jay Martin](#), [Rajive Bagrodia](#), [Aifeng Ren](#)

June 2002 **MobiHoc '02: Proceedings of the 3rd ACM international symposium on mobile ad hoc networking & computing**

Publisher: ACM

Full text available:  [Pdf](#) (1.24 MB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 103, Citation (6 Weeks): 0, Citation (12 Months): 0

This paper presents a new carrier sensing mechanism called DVCS (Directional Virtual Carrier Sensing) for wireless communication using directional antennas. DVCS requires specific antenna configurations or external devices. Instead, it uses a simple carrier sensing mechanism to detect collisions.

Keywords: IEEE 802.11, carrier sensing, directional antenna systems, control, mobile ad hoc networks

18 [TETRA radio performance evaluated via the software package TETRA-SIM](#)

[Armando Annunziato](#), [Davide Sorbara](#)

March 2000 **Mobile Networks and Applications**, Volume 5 Issue 1


Publisher: Kluwer Academic Publishers

Full text available:  [Pdf](#) (429.08 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 37, Citation (6 Weeks): 0, Citation (12 Months): 0


TETRA (TERrestrial Trunked RAdio) is a digital mobile radio standard for transmission. It aims at satisfying the growing request of applications that require high quality of service coming from professional users and emergency services. The system has been designed to provide a high level of performance in terms of reliability, security, and quality of service.

19 [Smart-tag based data dissemination](#)

 [Allan Beaufour](#), [Martin Leopold](#), [Philippe Bonnet](#)

September 2002 **WSNA '02: Proceedings of the 1st ACM international workshop on sensor networks and applications**

Publisher: ACM

Full text available:  [Pdf](#) (230.05 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 60, Citation (6 Weeks): 0, Citation (12 Months): 0

Monitoring wide, hostile areas requires disseminating data between fixe clusters of sensor nodes. It is not always possible to install long-range r cover the whole area. We propose to leverage the movement of mobile

Keywords: bluetooth, epidemic replication, smart-tags

20 [A pseudo random coordinated scheduling algorithm for Bluetooth sc](#)



András Rácz, György Miklós, Ferenc Kubinszky, András Valkó

October 2001 **MobiHoc '01**: Proceedings of the 2nd ACM international symposium on mobile computing and networking & computing

Publisher: ACM

Full text available: [Pdf](#) (218.47 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 56, Citation (

The emergence of Bluetooth as a default radio interface allows handheld devices to rapidly interconnected into ad hoc networks. Bluetooth allows large number of devices to form a scatternet using designated nodes that participate in multiple

Keywords: Bluetooth, inter-piconet communication, scatternet, scheduling

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